

- When is A* complete?

A* search is both complete and optimal, provided that heuristic function, $h(n)$ is admissible (for TREE Search) or consistent (for GRAPH Search) it satisfies certain conditions. A* search is similar to UNIFORM-COST Search except $g+h$ is used instead of g .

- When does A* end the search process?

For A* search the initial state is given and defined, and the final state is also defined. Therefore, when the search agent has reached the defined goal state with the lowest cost being obtained during the algorithm search then the search process is said to be done or the A* search process is ended. Since it is informed search, the goal state and the initial conditions will be known to the agent, and once the agent reaches the goal state, it stops search process.